	Application No.	Applicant(s)	
Notice of Allowability	09/750,489	YAUNG, ALAN T.	
	Examiner	**Art Unit**	
	VAN H. NGUYEN	2194	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *Amendments and supporting arguments filed 02/28/2007*.

2. ☒ The allowed claim(s) is/are *1-27, 39, 43, and 44 (now renumbered as 1-30)*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the

            International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

DETAILED ACTION

1.   This communication is responsive to the Amendments filed 02/28/2007.

Claims 1-27, 39, 43, and 44 are pending in this application. With this Examiner's

amendment: claims 1, 10, 19, and 43 have been amended; claims 28-35, 37, 38, 41, 42,

and 45 have been cancelled.

2.   **EXAMINER'S AMENDMENT:**

An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as

provided by 37 CFR 1.312. To ensure consideration of such an amendment, it

MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

With Nataliya Dvorson (Reg. No. 56, 616) on 05/14/2007.

The application has been amended as follows:

In the Claims:

(a)   **All previous copies of claims 1, 10, 19, and 43 have been replaced with the**

following clean copy of claims 1, 10, 19, and 43 as amended by the

Examiner's amendment:

Claim 1.   A method for communication between a first computer and a second

computer, each of which is connected to a server computer, the method

comprising:

under control of a first client application at the first computer,

creating a message, wherein the message comprises at least one out

of a group of: an event notification with zero text and zero content identifiers, a

text message, and a content identifier; and

putting the message into a message queue; and

under control of a second client application at the second computer,

retrieving the message from the message queue;

wherein the first computer, the second computer, and the server computer

form part of a federated content management system and wherein the federated

content management system further comprises heterogeneous servers connected

to the server computer;

wherein the heterogeneous servers are connected to heterogeneous

datastores forming part of the federated content management system and wherein

the heterogeneous datastores store multimedia data and are combined into a

consistent and unified conceptual view; and

wherein the message comprises search results from a search executed by

the first computer searching for a specified content in the multimedia data of the

heterogeneous datastores.

Claim 10.　　An apparatus for communication between computers, comprising:

a first computer connected to a server computer;

a second computer connected to the first computer and to the server

computer in a datastore management system; and

one or more computer programs, performed by the first and second

computers, for:

. under control of a first client application at the first computer,

creating a message, wherein the message comprises at least

one out of a group of: an event notification with zero text and zero content

identifiers, text, and content identifier; and

putting the message into a message queue; and

under control of a second client application at the second

computer, retrieving the message from the message queue,

wherein the first computer, the second computer, and the server computer

form part of a federated content management system and wherein the federated

content management system further comprises heterogeneous servers connected

to the server computer;

wherein the heterogeneous servers are connected to heterogeneous

datastores forming part of the federated content management system and wherein

the heterogeneous datastores store multimedia data and are combined into a

consistent and unified conceptual view; and

wherein the message comprises search results from a search executed by

the first computer searching for a specified content in the multimedia data of the

heterogeneous datastores.

Claim 19.   An article of manufacture comprising a program storage medium readable

by a computer and embodying one or more instructions executable by the

computer to perform method steps for communication between a first computer

and a second computer, each of which is connected to a server computer,

comprising:

under control of a first client application at the first computer,

creating a message, wherein the message comprises at least one out

of the group of event notification with zero text and zero content identifiers, text,

and content identifier; and

putting the message into a message queue; and

under control of a second client application at the second computer,

retrieving the message from the message queue,

wherein said first and second computers and said server are in a datastore

management system,

wherein the first computer, the second computer, and the server computer

form part of a federated content management system and wherein the federated

content management system further comprises heterogeneous servers connected

to the server computer;

wherein the heterogeneous servers are connected to heterogeneous

datastores forming part of the federated content management system and wherein

the heterogeneous datastores store multimedia data and are combined into a

consistent and unified conceptual view; and

wherein the message comprises search results from a search executed by

the first computer searching for a specified content in the multimedia data of the

heterogeneous datastores.

Claim 43.   The method according to claim 1, wherein the first application is a

browser on the first computer.

(b)   **Claims 28-35, 37, 38, 41, 42, and 45 have been cancelled.**

3.   **REASONS FOR ALLOWANCE:**

Claims 1-27, 39, 43, and 44 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art does not expressly teach or render obvious the invention as recited

in independent claims 1, 10, and 19.

The features as recited in independent claims 1, 10, and 19 "under control of a second

client application at the second computer, retrieving the message from the message

queue; wherein the first computer, the second computer, and the server computer form

part of a federated content management system and wherein the federated content

management system further comprises heterogeneous servers connected to the server

computer; wherein the heterogeneous servers are connected to heterogeneous datastores

forming part of the federated content management system and wherein the heterogeneous

datastores store multimedia data and are combined into a consistent and unified

conceptual view; and wherein the message comprises search results from a search

executed by the first computer searching for a specified content in the multimedia data of

the heterogeneous datastores", when taken in the context of the claims as a whole, was

not uncovered in the prior art teachings.

Nor were references uncovered that would have provided a basis of evidence for

asserting a motivation that one of ordinary skill level in the art at the time the

invention was made, knowing of a method for communication between a first computer

and a second computer in this specific environment, would have integrated or modified to

teach the method for representing and searching multiple heterogeneous datastores and

managing the results of such searches including the specific features as recited in the

context of independent claims 1, 10, and 19.

Dependent claims are allowed as they depend upon allowable independent claims.

Any comments considered necessary by applicant must be submitted no later than

the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments

on Statement of Reasons for Allowance."

4.   ADDITIONAL REFERENCES

The Examiner as of general interest cites the following references:

U.S. Pat. No. 7,007,275

U.S. Pat. No. 6,760,719

U.S. Pat. No. 6,697,835

U.S. Pat. No. 6,490,585

CONTACT INFORMATION

Any inquiry concerning this communication or earlier communications from the examiner should be directed to VAN H. NGUYEN whose telephone number is (571) 272-3765. The examiner can normally be reached on Monday-Thursday from 8:30AM - 6:00PM. The examiner can also be reached on alternative Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, WILLIAM THOMSON can be reached at (571) 272-3718.

The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:
Commissioner for patents
P O Box 1450
Alexandria, VA 22313-1450

Van H. Nguyen
Primary Examiner
Technology Center 2100